

(12) **UK Patent Application** (19) **GB** (11) **2 233 436** (13) **A**

(43) Date of A publication 09.01.1991

(21) Application No 8914872.0

(22) Date of filing 29.06.1989

(71) Applicant  
**Kate Haynes**  
291 Stafford Road, Caterham, Surrey, CR3 6NN,  
United Kingdom

(72) Inventor  
**Kate Haynes**

(74) Agent and/or Address for Service  
**Kate Haynes**  
291 Stafford Road, Caterham, Surrey, CR3 6NN,  
United Kingdom

(51) INT CL<sup>5</sup>  
F25D 3/08

(52) UK CL (Edition K)  
F4H H3  
U1S S1294

(56) Documents cited  
GB 2113823 A GB 1503052 A GB 1186981 A  
GB 1146399 A US 4554798 A US 4344300 A  
US 4050264 A

(58) Field of search  
UK CL (Edition J) F4H, F4U U52A U52B U52C U52D  
INT CL<sup>5</sup> F25D

(54) **Thermally insulated containers**

(57) A thermally-insulated container for holding milk cartons or bottles on a doorstep includes a compartment for holding a cold accumulator pack.

**Best Available Copy**

**GB 2 233 436 /**

# DOORSTEP CARTON AND BOTTLE COOLER

## Technical field

This invention relates to a receptacle for the cold storage of produce delivered to domestic households.

## Background.

The custom of having produce such as milk delivered "to the door" is widespread. Although this is a convenient form of shopping it suffers from the danger of the goods going off or deteriorating during the day as the result of the increased temperature encountered on the door step.

## Essential technical features

A receptacle that will

1. Store containers similar to a milk bottle or carton shape.
  2. Have a compartment for a pack containing a freezable material.
  3. Be made from a insulating material to retain cold air.
- A pack containing a freezable material to be frozen prior to insertion into the receptacle.

Claims

1. To keep the inserted containers cooler than the surrounding environment for at least a 12 hour period.
2. To provide a receptacle that stores cartons or bottles without the risk of them falling over.
3. To provide an aesthetically pleasing container to be left outside the door of domestic households.